SiLVUS

TECHNOLOGIES

BROADCASTING SOLUTIONS

...NEVER MISS A SHOT

The Status Quo

Traditional Electronic Newsgathering (ENG) involves transmitting live video from camera, to an ENG truck, and on to the news station over a series of independent COFDM video links. While this approach generally provides reliable connectivity, it has several drawbacks, namely:

Expensive
Poor spectrum utilization; separate frequency for each link
Lacks a bi-directional capability for return video, camera control, IFB, and IP network data

The Evolution

More recently, portable 3G/4G solutions have emerged which transport live video to the station via public cell phone networks. While these systems overcame some challenges with COFDM video links, their reliance on public infrastructure introduces a new set of set of challenges:

Throughput and reliability can vary widely
Unpredictable latency
Costly recurring monthly usage fees

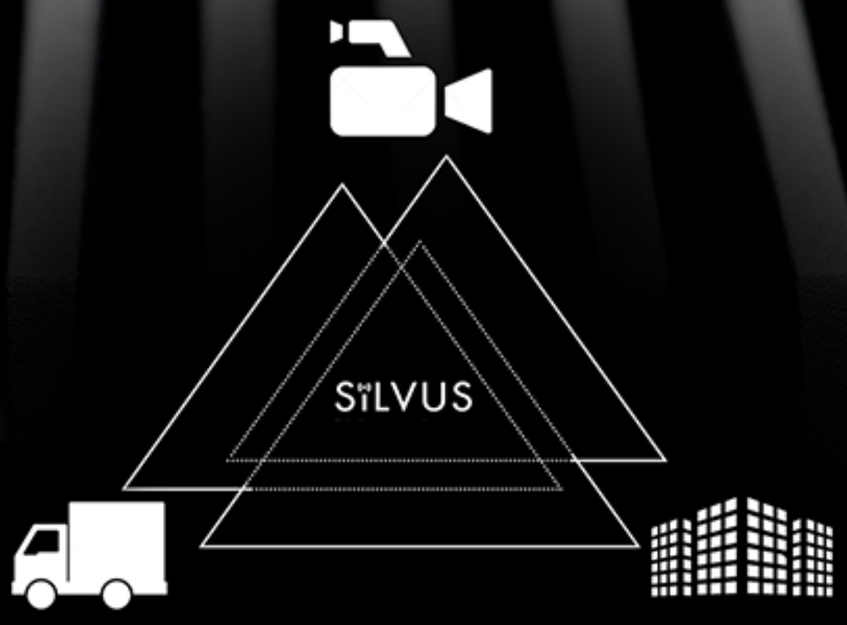
THE REVOLUTION

To solve these problems, Silvus Technologies is proud to introduce its Mobile Networked MIMO (MN-MIMO) technology to the Broadcast Market.

MN-MIMO is the result of more than 15 years and $55M of Research and Development, funded by the US Government. MN-MIMO utilizes the latest advances in military technology to provide wireless video and data communications in the harshest of environments where traditional systems fail. Touting COFDM modulation, up to 4x4 MIMO, and mesh networking capability, MN-MIMO has been proven to provide longer range, better reliability, and higher data rates than any commercial or military wireless standard available today.

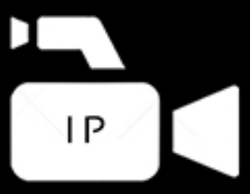
Silvus' StreamCaster transceivers feature MN-MIMO technology at the core. 2 StreamCasters form a bi-directional link to support video, return video, camera control, and push-to-talk voice. When 3 or more StreamCasters are tuned to same frequency, they join to form a fluid, self-healing, self-forming wireless mesh network. Video streams, audio, and data automatically relay through intermediary transcievers via the most efficient route in order to get from source to destination. The network is flexible and self-managed, requiring no intervention from the operator. True, military-grade "plug and play" operation.

JOIN THE REVOLUTION!



STREAMCASTER LINKS EVERY PIECE OF THE PUZZLE

HD-SDI Cameras
Pair StreamCaster radios with 3rd party IP encoders in order to interface with legacy HD-SDI cameras.



Streaming IP Cameras
Take advantage of the latest generation of streaming IP cameras, for effortless plug and play operation.

Airborne Cameras
Deploy StreamCaster radios on helicopters and drones, to provide a live, wireless, aerial perspective.

Repeaters
StreamCaster radios can be placed at strategic locations to relay signals from camera to receiver.

Portable Receiver
StreamCaster radios, paired with a decoder, can provide quick deploy RX capabilities for production on the move.

Fixed Receiver
Install StreamCaster radios on rooftops or towers to provide a blanket of coverage for citywide operations.

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CONTACT US FOR A DEMO

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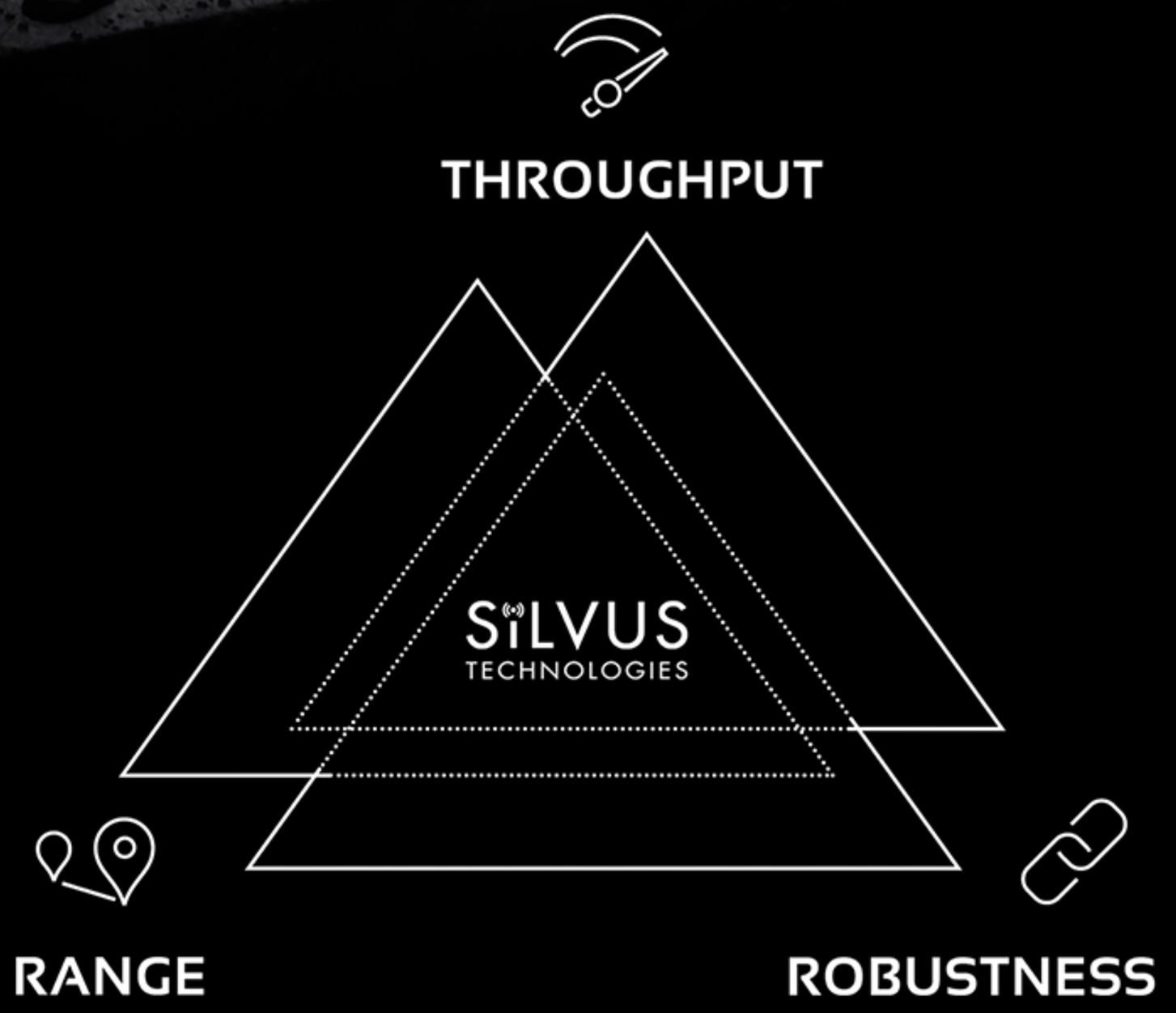

Leading the MIMO Revolution